

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE DEPARTMENT OF COMMERCE  
REV. 2-2005

ATTORNEY'S DOCKET NUMBER

003482.00020

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/524,432

INTERNATIONAL APPLICATION NO.  
PCT/US03/025614INTERNATIONAL FILING DATE  
15 August 2003PRIORITY DATE CLAIMED  
15 August 2002

## TITLE OF INVENTION

BRAIN ENDOTHELIAL CELL EXPRESSION PATTERNS

## APPLICANT(S) FOR DO/EO/US

MADDEN, Stephen I., et al

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☐ Express Mail Label No.
23. ☒ Other items or information:

Response to Notification of Missing Requirements letter  
Copy of Notification of Missing Requirement  
Petition for Extension of Time under 37 CFR 1.136(a)  
Post card

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <b>10/524,432</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US03/025614</b>		ATTORNEY'S DOCKET NUMBER <b>003482.00020</b>	
The following fees are submitted:				<b>CALCULATIONS</b>	<b>PTO USE</b>
24. <input type="checkbox"/> Basic national fee		<b>\$300</b>		<b>\$0.00</b>	
25. <input type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). All other situations.		<b>\$100</b> <b>\$200</b>		<b>\$0.00</b>	
26. <input type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority International Search Report prepared and provided to the Office All other situations.		<b>\$100</b> <b>\$400</b> <b>\$500</b>		<b>\$0.00</b>	
<b>TOTAL OF 24, 25 and 26 =</b>				<b>\$0.00</b>	
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
113 - 100 =	13 /50 =	1	x \$250.00	<b>\$250.00</b>	
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				<b>\$130.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	67 - 20 =	47	x \$50.00	<b>\$2,350.00</b>	
Independent claims	6 - 3 =	3	x \$200.00	<b>\$600.00</b>	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$3,330.00</b>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$0.00</b>	
<b>SUBTOTAL =</b>				<b>\$3,330.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<b>\$130.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$3,330.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$3,330.00</b>	
				<b>Amount to be</b>	<b>\$</b>
				<b>Amount to be</b>	<b>\$</b>

09/14/2005 GFREY1 00000118 190733 10524432

01 FC:1681 250.00 DA

02 FC:1617 130.00 DA

03 FC:1615 2350.00 DA

04 FC:1614 600.00 DA

a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. **19-0733** in the amount of **\$3,330.00** to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☐ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **19-0733**. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:  
**BANNER & WITCOFF, LTD.**  
 Customer ID: 22907

*Sarah A. Kagan*  
 SIGNATURE 681 758.00 DA  
**Sarah A. Kagan**  
 NAME  
**32,141**  
 REGISTRATION NUMBER



JC03 Rec'd PCNT 09 SEP 2005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

MADDEN, Stephen I., et al

Serial No: . 10/524,432

Filed: 15 February 2005

)  
) Group Art Unit: TBA  
)  
) Examiner: TBA  
)  
)  
) Atty. Dkt. No. 003482.00020

For: Brain Endothelial Cell Expression Patterns

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

Commissioner of Patents  
U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371 mailed June 28, 2005, enclosed herewith are copies of the Petition For Extension of Time Under 37 CFR 1.136 (a), Transmittal Letter, Executed Joint Declaration and Power of Attorney, two copies of a Fee Calculation Sheet, and a copy of the Notification Of Missing Requirements Under 35 U.S.C. 371.

Respectfully submitted,

By: Sarah A. Kagan  
Sarah A. Kagan  
Registration No. 32,141

Date: September 9, 2005

Banner & Witcoff, Ltd.  
Customer ID No: 22907

SAK/mh



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/524,432	Stephen I Madden	003482.00020

22907  
BANNER & WITCOFF  
1001 G STREET N W  
SUITE 1100  
WASHINGTON, DC 20001

003482.00020  
RECEIVED

BANNER WITCOFF

INTERNATIONAL APPLICATION NO.	
PCT/US03/25614	
LA. FILING DATE	PRIORITY DATE
08/15/2003	08/15/2002

CONFIRMATION NO. 6126  
371 FORMALITIES LETTER



\*OC000000016385261\*

Date Mailed: 06/28/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 02/15/2005
- Copy of the International Search Report filed on 02/15/2005
- Preliminary Amendments filed on 02/15/2005
- Biochemical Sequence Diskette filed on 02/15/2005
- Biochemical Sequence Listing filed on 02/15/2005
- Request for Immediate Examination filed on 02/15/2005
- U.S. Basic National Fees filed on 02/15/2005
- Priority Documents filed on 02/15/2005

Docketed 7/5/05

Attny SAK

Case Ref 003482.00020

Action Response to NTFMR

Due Date 8/28/05

Last Day 1/28/06

By [Signature]

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of **\$2950** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- **\$130** Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$3330** for a Large Entity:

- **\$130** Late oath or declaration Surcharge.
  - The specification and drawings contain more than 100 pages. Applicant owes **\$250** for pages in excess of 100 pages for a non-small entity.
- Total additional claim fee(s) for this application is **\$ 2950**
  - **\$600** for 3 independent claims over 3.
  - **\$2350** for 47 total claims over 20.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

PAULETTE R KIDWELL

Telephone: (703) 308-9140 EXT 216

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/524,432	PCT/US03/25614	003482.00020